

Title (en)

Radial-flow impeller with radially free base ring

Title (de)

Radiales Schaufelrad mit radial freiem Basisring

Title (fr)

Roue à aubes radiale avec couronne de base radialement libre

Publication

EP 2631490 B1 20161214 (FR)

Application

EP 13156150 A 20130221

Priority

FR 1251542 A 20120221

Abstract (en)

[origin: EP2631490A1] The impeller has a basic rim (12) provided with blades (15) protruding on a surface (12f) of the basic rim. An annular hub (13) is adapted to be coupled to the rim and to a rotary shaft (3). An annular plate (14) and the rim are configured to interact with each other. The rim comprises a circular key (17) on its inner perimeter for interacting with a notch (18) made in the hub and another notch (19) made in the plate. The notches are placed opposite to each other such that the circular key is held in the notches when the hub, the plate and the rim are assembled.

IPC 8 full level

F04D 29/26 (2006.01); **F01D 5/02** (2006.01); **F01D 5/04** (2006.01)

CPC (source: EP US)

F01D 5/04 (2013.01 - EP US); **F01D 5/3069** (2013.01 - EP US); **F01D 5/34** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/20** (2013.01 - US); **F04D 29/284** (2013.01 - EP US); **F04D 29/624** (2013.01 - EP US); **F05D 2230/642** (2013.01 - EP US)

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DOCDB simple family (publication)

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